

Library Literacy and Idaho Achievement Standards

The following Idaho Achievement standards have been identified as those standards to which the media generalist can enhance classroom instruction, by providing additional instruction and/or resources to the improve student learning. The standards have been divided into two groups. One group has been identified as those in which the media generalist may provide instructional support to the classroom teacher. The other group has been identified as those in which the media generalist can provide classroom resources to enhance classroom instruction and learning.

Achievement Standards noted in **RED** have been identified by the Idaho State Department of Education as Power Standards.

Library Literacy Instruction & Resource Idaho Achievement Standards

Mathematics

Grades 7

328 Mathematical Reasoning and Problem Solving

- 03. Apply appropriate technology and models to find solutions to problems
 - b. Use computer applications to display and manipulate data.

Grades 9 through 12

348. Mathematical Reasoning and Problem Solving

- 01. Understand and use a variety of problem-solving skills.
 - a. Use a variety of methods, including common mathematical formulas, to solve problems drawn from daily life.
- 04. Communicate results using appropriate terminology and methods.
 - a. Select the appropriate means to communicate mathematical information.

353. Functions and Mathematical Models

- 03. Apply functions to a variety of problems.

Social Studies

Kindergarten

373. Foundations of the American Political System.

- 01. Understand the foundations and principles of the American political system.
 - a. Listen to stories that reflect the cultural heritage of the United States - past, present, real, and fiction.

Social Studies (cont)

Grade 1

382. Critical Thinking and Analytical Skills.

01. Acquire critical thinking and analytical skills.

388. Cultural and Social Development

01. Understand the cultural and social development of the United States.

Grade 2

398. Critical Thinking and Analytical Skills.

01. Acquire critical thinking and analytical skills.
 - d. Obtain information from a variety of sources.

404. Cultural and Social Development.

01. Understand the cultural and social development of the United States

Grade 3

414. Critical Thinking and Analytical Skills.

01. Acquire critical thinking and analytical skills.
 - a. Use days, weeks, months, and years to measure time.
 - b. Identify current events involving the community.
 - c. Identify decades and centuries as a measure of time.
 - d. Identify primary sources of information about local history.
 - e. Differentiate between cause and effect.
 - f. Identify different points of view.
 - g. Identify factual statements in sources of news using the five W's: who, what, where, when, and why.

Grade 4

430. Critical Thinking and Analytical Skills

01. Acquire critical thinking and analytical skills.
 - a. Chronologically organize the events that led to Idaho becoming a state.
 - d. Differentiate between fact and opinion, cause and effect, and identify different points of view.
 - e. Gather and use information on Idaho history from primary and secondary sources.

Grade 5

446. Critical Thinking and Analytical Skills

01. Acquire critical thinking and analytical skills.
 - b. Identify current events involving the nation.
 - c. Identify various methods used by historians to learn about the past.
 - d. Analyze, organize, and interpret information.
 - e. Identify different points of view and frames of reference.

Social Studies – History of Human Civilization

Middle Grades (6-8)

458. Geography

01. Understand the spatial organizations of people, places, and environment on the earth's surface.
 - a. Develop and use different kinds of maps, globes, graphs, charts, databases, and models to display and obtain information.
 - b. Identify the regions of the United States and their resources.
 - c. Use latitude and longitude coordinates to find specific locations on a map.

464. Government/Civics

01. Acquire critical thinking and analytical skills.
 - a. Research, condense, and restate information for a specific purpose.
 - b. Utilize primary and secondary sources of information to gather facts.
 - c. Distinguish between fact and opinion.

Social Studies – US History

Middle Grades (6-8)

473. Critical Thinking and Analytical Skills

01. Acquire critical thinking and analytical skills
 - a. Use visual and mathematical data presented in charts, tables, graphs, maps, and other graphic organizers to assist in interpreting a historical event.
 - b. Differentiate between historical facts and historical interpretations.

Social Studies

Grades 9 through 12

489. Critical Thinking and Analytical Skills

01. Acquire critical thinking and analytical skills.
 - a. Use analytical skills for reasoning, research, and reporting including interpretation of maps, charts, graphs, timelines and works of art.
 - b. Evaluate and interpret points-of-view using primary and secondary sources.
 - c. Chronologically organize significant events and people in United States history into major eras and themes to identify and explain historical relationships.

Science

Grade 2

568. Interdisciplinary Concepts

01. Understand that interpersonal relationships are important in scientific endeavors.
 - a. Learn appropriate cooperation and interaction skills.

Grade 4

596. Personal and Social Perspectives.

01. Understand common environmental quality issues, both natural and human induced.
 - a. Identify issues in the local environment.
02. Understand the causes and effects of population change.

Science (cont)

Grade 4

- 596.02 a. Understand the effect of technological development and human population growth on local towns and/or Idaho.
03. Understand the importance of natural resources and the need to manage and conserve them.
 - b. Understand the conservation of natural resources.

04. Understand different uses of technology in science and how they affect our standard of living.
 - a. Identify examples of technologies used in scientific fields.

597. History of Science

01. Understand the significance of major scientific milestones.
 - a. Understand major contributions of various scientists and researchers.

Grade 5

604. Concepts of Scientific Inquiry

01. Understand scientific inquiry and develop critical thinking skills.
 - c. Select and use appropriate tools and techniques to gather and display data.

611. Personal and Social Perspectives.

01. Understand common environmental quality issues, both natural and human induced.
 - a. Identify issues for environmental studies.
02. Understand the causes and effects of population change.
 - a. Understand the effect of technological development and human population growth on the United States and/or the world.
03. Understand the importance of natural resources and the need to manage and conserve them.
 - a. Understand the differences between renewable and nonrenewable resources.
 - b. Understand the conservation of natural resources.
04. Understand different uses of technology in science and how they affect our standard of living.
 - a. Identify examples of technologies used in these scientific fields:
 - Food production;
 - Environmental cleanup;
 - Advances in medicine;
 - Communications;
 - The space program;
 - Weather forecasting.

612. History of Science

01. Understand the significance of major scientific milestones.
 - a. Understand major contributions of various scientists and researchers.

Grade 6

619. Concepts of Scientific Inquiry

01. Understand scientific inquiry and develop critical thinking skills.
 - c. Select and use appropriate tools and techniques to gather and display data.

Science (cont)

Grade 6

626. Personal and Social Perspectives

01. Understand common environmental quality issues, both natural and human induced.
 - a. Identify issues for environmental studies.
02. Understand the causes and effects of population change.
 - a. Understand the effect of technological development and human population growth on the United States and/or the world.
03. Understand the importance of natural resources and the need to manage and conserve them.

- a. Understand the differences between renewable and nonrenewable resources.
 - b. Understand the conservation of natural resources.
- 04. Understand different uses of technology in science and how they affect our standard of living.
 - a. Identify examples of technologies used in these scientific fields:
 - Food production;
 - Environmental cleanup;
 - Advances in medicine;
 - Communications;
 - The space program;
 - Weather forecasting.

627. History of Science

- 01. Understand the significance of major scientific milestones.
 - a. Understand major contributions of various scientists and researchers.

Middle Grades (7-8)

634. Concepts of Scientific Inquiry.

- 01. Understand scientific inquiry and develop critical thinking skills.
 - a. Develop complex questions that can be answered by conducting long-term studies.

641. Personal and Social Perspectives.

- 01. Understand common environmental quality issues, both natural and human induced.
 - a. Identify environmental issues and conduct studies.
- 02. Understand the causes and effects of population change.
 - a. Understand the effect of technological development and the growth of human population on the living and nonliving components of the environment.
- 03. Understand the importance of natural resources and the need to manage and conserve them.
 - a. Explore alternative sources of energy.
 - b. Understand the role and effect of management of natural resources.
- 04. Understand different uses of technology in science and how they affect our standard of living.
 - a. Know that there are predictable and unpredictable consequences of technology.

Science (cont)
Grades 9 through 12

656. Personal and Social Perspectives.

01. Understand common environmental quality issues, both natural and human induced.
 - a. Identify issues, including but not limited to:
 - Water quality;
 - Air quality;
 - Hazardous waste;
 - Forest health.
02. Understand the causes and effects of population change.
 - a. Understand the impact of technological development and the growth of human population on the living and nonliving environment.
 - b. Understand the impact of population change on natural resources and community infrastructure.

Language Arts/ Communications

Grade 7

734. Reading

02. Read and respond to a variety of literature to compare and contrast the many dimensions of human experience.
 - e. Demonstrate an understanding of how reading can provide enrichment and information as well as serve as a tool for lifelong learning.

735. Writing

06. Write to gather, synthesize, and communicate research findings.
 - a. With teacher support, incorporate a variety of informational and technological resources to perform the following:
 - Appropriately paraphrase, quote, and cite to avoid plagiarism;
 - Consider motives, credibility, and perspectives of authors when selecting resource materials;
 - Formulate thesis or focus and provide relevant support.
 - b. Present research findings.

737. Speaking

01. Speak to share an understanding of information.

738. Viewing

04. Use a variety of resources to produce visuals that communicate through print and non-print media.

Grade 8

743. Reading

02. Read and respond to a variety of literature to compare and contrast the many dimensions of human experience.
 - e. Demonstrate an understanding of how reading can provide enrichment and information as well as serve as a tool for lifelong learning.

Language Arts/ Communications (cont)

Grade 8

743.04 Read to locate information from a variety of traditional, technical, and electronic sources.

- a. Use questions to guide reading:
 - Identify type of information required to answer a specific question;
 - Independently select resources for answering questions;
 - Read for purpose of answering specific questions.
- b. Use knowledge of common patterns of factual texts to enhance comprehension:
 - Description;
 - Main idea/supporting details;
 - Comparison/contrast;
 - Chronological order;
 - Cause/effect;
 - Process.
- c. Synthesize what has been read:
 - Identify main idea and supporting details: Identify important information patterns, and themes; - Connect new information with prior knowledge and text to enhance understanding and memory; - Ask new questions; - use prior knowledge and text information to draw conclusions, make critical judgments and form unique interpretations from text.

744. Writing

06. Write to gather, synthesize, and communicate research findings.
 - a. With teacher support, incorporate a variety of informational and technological resources to perform the following:
 - Avoid plagiarism through proper use of paraphrasing, quoting, and citing;
 - When selecting source materials, consider motives credibility, and perspectives of authors;
 - Formulate thesis or focus and provide relevant support.
 - b. Present research findings.

745. Listening

01. Listen for information and understanding.
 - a. Acquire and summarize information from a variety of electronic or live sources.

746. Speaking

01. Speak to share an understanding of information.
 - b. Plan and deliver oral presentations that incorporate the following:
 - Effective transitions;
 - Logical organization;
 - Support for main ideas;
 - Appropriate examples;
 - Responses to questions and feedback;
 - Visual aids and appropriate technology
 - Proper English.

Language Arts/ Communications (cont)

Grade 8

747. Viewing

- 03. View media sources to engage in critical analysis and evaluation.
 - a. Critique, interpret, and evaluate non-print media.
 - c. Evaluate relationships, ideas, and cultures represented within various media.
- 04. Use a variety of resources to produce visuals that communicate through print and non-print media.
 - a. Demonstrate understanding of the multiple tools of graphics, pictures, color, motion, and music.

Grade 9 through 12

752. Reading

- 04. Read to locate information from a variety of traditional, technical, and electronic sources.
 - a. Generate relevant and researchable questions.
 - b. Systematically organize and record information.
 - c. Produce research projects and reports.

753. Writing

- 06. Write to gather, synthesize, and communicate research findings.
 - a. Use and document a variety of technological and informational resources;
 - Avoid plagiarism through proper use of paraphrasing, quoting, and citation;
 - Consider motives, credibility, and perspectives of authors when selecting source materials;
 - Formulate thesis or focus and relevant support.

754. Listening

- 01. Listen for information and understanding.
 - a. Acquire, interpret, and apply information from a variety of electronic or live sources.

755. Speaking

- 01. Speak to share an understanding of information.
- b. Create oral presentations that include the following:
 - Examples;
 - Response to questions and feedback;
 - Visual aids and appropriate technology.

756. Viewing

04. Use a variety of resources to produce visuals that communicate through print and non-print media.

- a. Produce effective visuals, which include the following:
 - Essential messages and images;
 - Effective use of time, space, and organization;
 - Appropriate style, word choices, grammar, punctuation, and spelling;
 - Proper documentation.

Library Literacy - Resource

Idaho Achievement Standards

Mathematics

Grade 1

269 Concepts and Principles of Measurement

- 01 Understand the use of US Customary and metric measurements
 - a. Explore the use of standard and non-standard tools for measuring time, length, volume, weight, and temperature.

Grade Two

281 Concepts and Principles of Geometry

- 01 Apply Concepts of size shape, and spatial relationships
 - a. Recognize, name, build, draw, compare, and sort two- and three-dimensional shapes
- 02 Collect, organize and display data
 - a. Collect, organize and display data in tables, charts, or graphs in order to answer a question and/or test a hypothesis.

Grade 3

292 Data Analysis, Probability, and Statistics

- 01 Understand data Analysis
- 02 Collect, organize and display data
 - a. Collect, organize, and display data in tables or charts or graphs in order to answer a question and/or test a hypothesis

Grade 4

302 Data Analysis, Probability, and Statistics

- 01 Understand data Analysis
- 02 Collect, organize and display data
 - b. Collect, order, and display data in appropriate notation in tables, charts, graphs (bar graphs, tally charts and pictographs) in order to answer a question and/or test a hypothesis.

Grade 5

308 Mathematical Reasoning and Problem Solving

- 04 Communicate results using appropriate terminology and methods
 - a. Use a variety of methods, such as words, numbers, symbols, charts, graphs, tables, diagrams, and models, to communicate mathematical information.

312 Data Analysis, Probability and Statistics

- 01 Understand data analysis
- 02 Collect, organize, and display data

318 Mathematical Reasoning and Problem Solving

- 01 Understand and use a variety of problem-solving skills
 - a. Use a variety of strategies to compute problems drawn from real-world situations
 - b. Solve problems using the 4-step process of problem solving (explore, plan, solve, examine).

Mathematics (cont)

Grade 5

- 318.03 Apply appropriate technology and models to find solutions to problems

- a Understand the purpose and capabilities of appropriate technology use as a tool to solve problems

319 Concepts and Principles of Measurement

- 01 Understand and use U.S. customary and metric measurements
 - b. Apply estimation of measurement to real-world and content problems using actual measuring devices.
 - c. Recognize the differences and relationships between perimeter and area in both systems.
 - d. Solve problems involving length, perimeter, area, weight, mass, and temperature
 - f. Apply understanding of relationships to solve real-world problems related to time.

321 Concepts and Principles of Geometry

- 01 Apply concepts of size, shape, and spatial relationships
 - a. Precisely describe, classify, and understand relationships among types of one-, two-, and three-dimensional objects using their defining properties.
 - e. Develop and apply formulas for perimeter, circumference, and area to triangles, quadrilaterals, and circles.

322 Data Analysis, Probability and Statistics

- 01 Understand data analysis
 - a. Read and interpret tables, charts, and graphs (line graphs, bar graphs, frequency lines of line plots, and circle graphs).

Grade 7

329 Mathematical Reasoning and Problem Solving

- 01 Understand and use a variety of problem-solving skills
 - a. Use a variety of strategies including common mathematical formulas to compute problems drawn from real-world situations.
 - c. Make predictions and decisions based on information

330 Concepts and Principles of Measurement

- 01 Understand and use U.S. customary and metric measurements
 - d. Solve problems involving length, perimeter, area, volume (capacity), weight, mass and temperature.

331 Concepts and Principles of Geometry

- 01 Apply concepts of size, shape, and spatial relationships.
 - a. Precisely describe, classify, and understand relationships among types of one-, two-, and three-dimensional objects using their defining properties.
- 02 Apply the geometry of right triangles
 - a. Explore right triangle geometry

Mathematics (cont)

Grade 8

338. Mathematical Reasoning and Problem Solving

- 04 Communicate results using appropriate terminology and methods
 - a. Use a variety of methods, such as words, numbers, symbols, charts, graphs, tables, diagrams, and models, to communicate mathematical information.

342. Data Analysis, Probability and Statistics

- 02 Collect, organize, and display data
 - a. Collect, organize, and display data with appropriate notation in tables, charts, and graphs (scatter plots, line graphs, bar graphs, pie charts).

343. Functions and Mathematical Models

- 03 Apply functions to a variety of problems

Grades 9 through 12

349. Concepts and Principles of Measurement

- 01 Understand and use U.S. customary and metric measurements.

351. Concepts and Principles of Geometry

- 01 Apply concepts of size, shape, and spatial relationships.
 - b. Understand scaling as it relates to size variations in one, two, and three-dimensional objects, while shape is maintained.

352. Data Analysis, Probability, and Statistics

- 02 Collect, organize, and display data

Social Studies

Kindergarten

372. Cultural and Social Development

- 01 Understand the cultural and social development of the United States

374. Organization and Formation of the American System of Government

- 01 Understand the organization and formation of the American system of government
 - a. Identify symbols of the United States such as the Flag, Pledge of Allegiance, Bald Eagle, Red, White, and Blue

375. Citizen Responsibilities and Rights

- 01 Understand that all citizens of the United States have responsibilities and rights
 - a. Identify individuals that are helpful to people in their everyday lives such as principal, school secretary, doctor, and police officer.
 - b. Demonstrate ways to be helpful to family, school, and community.
 - c. Recognize that there is a need for a leadership in any society.
 - d. Identify leadership roles in the school, neighborhood, and family.
 - e. Show respect for the opinions, feelings, and actions of others.
 - f. Demonstrate the ability to make choices and take responsibility for one's own actions.
 - g. Name and show respect for the rules at home, school, and in the community.

Social Studies (cont)

Grade 1

394. Geography

- 01 Understand the spatial organizations of people, places, and environment on the earth's surface.

Grade 3

420. Cultural and Social Development

- 01 Understand the cultural and social development of the United States

423. Citizen Responsibilities and Rights

- 01 Understand that all citizens of the United States have responsibilities and rights

- a. Identify the rules of the classroom and school and the consequences for breaking these rules.

424. Economic Fundamentals

- 01 Understand basic economic concepts
 - c. Explain the difference between public and private property.

Grade 4

430. Critical Thinking and Analytical Skills

- 01 Acquire critical thinking and analytical skills.
 - b. Identify current events involving the state of Idaho

436. Cultural and Social Development

- 01 Understand the cultural and social development of the United States

439. Citizen Responsibilities and Rights

- 01 Understand that all citizens of the United States have responsibilities and rights.

Grade 5

452. Cultural and Social Development

- 01 Understand the cultural and social development of the United States
 - a. Explain important American customs, symbols, landmarks, and celebrations.
 - b. Identify some significant individuals who have been responsible for bringing about social changes in the United States.
 - c. Identify influential cultural groups throughout American history.
 - d. Describe how Native Americans developed a variety of cultures before the coming of the European settlers.
 - e. Identify different examples of how religion has been an important influence in American history.

455. Citizen Responsibilities and Rights

- 01 Understand that all citizens of the United States have responsibilities and rights.

History of Human Civilizations

Middle Grades (6-8)

462. History of Human Civilization

- 01 Understand the processes that gave rise to the earliest human communities.
 - a. Describe types of evidence used by anthropologists, archaeologists, and other scholars to reconstruct early human and cultural development.
 - b. Infer from archaeological evidence the characteristics of early hunter-gatherer communities.

History of Human Civilizations (cont)

Middle Grades (6-8)

- 462. 02 Understand how human communities populated the major regions of the world and adapted to a variety of environments.
- 03 Understand that the practice of agriculture influenced the patterns of human settlement.
- 04 Understand how natural resources and technological advances have shaped the relationships between different societies.
- 05 Understand the political, social, and cultural causes and consequences of movements of populations.
- 06 Understand how empire building and trade contributed to increasingly complex relations among people.
- 463. Geography
 - 01 Understand the spatial organizations of people, places, and environment on the earth's surface.
 - 02 Understand physical characteristics of different places and regions.
 - 03. Understand the migration and settlement of human populations on the earth's surface.
 - 04. Understand that geography enables people to comprehend the relationships between people, places, and environments over time.

US History

Middle Grades (Grades 6-8)

- 473. Critical Thinking and Analytical Skills
 - 01 Acquire critical thinking and analytical skills.
 - c. Chronologically organize significant events and people who form the foundation of early United States history and explain their historical relationships.
- 479. Cultural and Social Development
 - 01 Understand the cultural and social development of the United States.
- 480. Foundations of the American Political System
 - 01 Understand the foundations and principles of the American political system.
 - d. Evaluate issues in which fundamental values and principles are in conflict such as conflicts between liberty and equality, individual rights and the common good.
- 482. Citizen Responsibilities and Rights
 - 01 Understand that all citizens of the United States have responsibilities and rights.

Grades 9 through 12

- 490. Evolution of Democracy
 - 01 Understand the evolution of democracy
 - e Provide and evaluate examples of social and political leadership in American history.
- 494. Exploration and Expansion
 - 01 Understand the role of exploration and expansion in the development of the United States.
- 505. United States Foreign Affairs
 - 01 Understand the significance of United States foreign policy in the modern world.
- 506 Citizen Responsibilities and Rights
 - 01 Understand that all citizens of the United States have responsibilities and rights.

US History (cont)

Grades 9 through 12

- 510 Fundamentals

- 01 Understand the basic economic concepts
- 538. Interdisciplinary Concepts**
 - 01 Understand that interpersonal relationships are important in scientific endeavors
 - a. Learn appropriate cooperation and interaction skills.

Science

Kindergarten

- 538. Interdisciplinary Concepts**
 - 01 Understand that interpersonal relationships are important in scientific endeavors.
 - a. Learn appropriate cooperation and interaction skills.

Grade 1

- 553 Interdisciplinary Concepts**
 - 01 Understand that interpersonal relationships are important in scientific endeavors
 - a. Learn appropriate cooperation and interaction skills.

Grade 2

- 559. Concepts of Scientific Inquiry**
 - 01 Understand scientific inquiry and develop critical thinking skills.
 - c. Use various tools to gather information.
- 565. Technology**
 - 01 Understand the relationship between science and technology and develop the abilities of technological design and application.
 - d. Use available and appropriate technology.

Grade 3

- 574. Concepts of Scientific Inquiry**
 - 01 Understand scientific inquiry and develop critical thinking skills.
 - c. Use appropriate tools and techniques to gather and display data.
- 580. Technology**
 - 01 Understand the relationship between science and technology and develop the abilities of technological design and application.
 - d. Use available and appropriate technology.
- 581. Personal and Social Perspectives.**
- 583. Interdisciplinary Concepts**
 - 01 Understand that interpersonal relationships are important in scientific endeavors.
 - a. Work in teams to solve problems.

Grade 4

- 589. Concepts of Scientific Inquiry**
 - 01 Understand scientific inquiry and develop critical thinking skills.
 - c. Use appropriate tools and techniques to gather and display data.

Science (cont)

Grade 4

592. Interdependence of Organisms and Biological Change

- 01 Understand the theory of biological evolution
 - a. Investigate diversity of plants and animals and how they adapt in order to survive in their environment.
 - b. Investigate how plants and animals become extinct if their adaptations do not fit their environment.

595. Technology

- 01 Understand the relationship between science and technology and develop the abilities of technological design and application.
 - b. Recognize that people have invented tools for everyday life and for scientific investigations.

598. Interdisciplinary Concepts

- 01. Understand that interpersonal relationships are important in scientific endeavors.

Grade 5

604. Concepts of Scientific Inquiry

- 01. Understand scientific inquiry and develop critical thinking skills.
 - f. Compare alternative explanations and predictions.

610. Technology

- 01. Understand the relationship between science and technology and develop the abilities of technological design and application.
 - d. Use available and appropriate technology.

613. Interdisciplinary Concepts.

- 01. Understand that interpersonal relationships are important in scientific endeavors.
 - a. Work in teams to solve problems.

Grade 6

619. Concepts of Scientific Inquiry

- 01. Understand scientific inquiry and develop critical thinking skills.
 - f. Compare alternative explanations and predictions.

625. Technology

- 01. Understand the relationship between science and technology and develop the abilities of technological design and application.
 - d. Use available and appropriate technology.

628. Interdisciplinary Concepts

- 01. Understand that interpersonal relationships are important in scientific endeavors.
 - a. Work in teams to solve problems.
- 02. Understand technical communication.
 - a. Read, understand, and follow technical instructions.

Grades 7-8

640. Technology

- 01 Understand the relationship between science and technology and develop the abilities of technological design and application.
 - d. Use available and appropriate technology.

Science (cont)

Grades 7-8

642. History of Science

- 01. Understand the significance of major scientific milestones.
 - a. Understand the impact of historical scientific events.

643. Interdisciplinary Concepts

- 01 Understand that interpersonal relationships are important in scientific endeavors
 - a. Work in teams to solve problems.
- 02. Understand technical communication.
 - a. Read, understand, and follow technical instructions.

Grades 9 through 12

649. Concepts of Scientific Inquiry

- 01. Understand scientific inquiry and develop critical thinking skills
 - a. Identify questions and concepts that guide scientific investigations.

655. Technology

- 01 Understand the relationship between science and technology and develop the abilities of technological design and application.
 - e. Use available technology to assist in solving problems.

657 History of Science

- 01 Understand the significance of major scientific milestones.
 - a. Understand the social and economic impact of historical scientific events.
 - b. Understand the contributions of notable scientists.

658. Interdisciplinary Concepts

- 01 Understand that interpersonal relationships are important in scientific endeavors.
 - a. Know the importance of working in interdisciplinary teams to solve scientific problems.
 - b. Read for information.

Language Arts/Communications

Grade 6

725. Reading

- 01. Read a variety of traditional and electronic materials for information and understanding.
- 02. Read and respond to a variety of literature to compare and contrast the many dimensions of human experience.
 - a. Describe characteristics of the following genres: fiction, nonfiction, poetry, biography/autobiography, legend, fable, and myth.

Grade 7

734. Reading

- 01 Read a variety of traditional and electronic materials for information and understanding.
- 02. Read and respond to a variety of literature to compare and contrast the many dimensions of human experience.
 - a. Describe characteristics of the following genres: fiction, nonfiction, poetry, biography/autobiography, legend, fable, myth, and materials.

Language Arts/Communications (cont)

Grade 7

- 734.02 c.** Relate social, cultural, and historical aspects of literature to reader's personal experience.

- 03. Read a variety of traditional, technical, and electronic materials for critical analysis and evaluation.
- 04. Read to locate information from a variety of traditional, technical, and electronic sources.
- 05. Read for technical information.
- 735. Writing.**
 - 03. Write to inform and explain.
 - a. Use facts, data, and processes from technical and non-technical materials to inform through writing.
 - 04. Write for literary response and expression.
 - 05. Write to critically analyze and evaluate
- 736. Listening.**
 - 01. Listen for information and understanding
 - a. Acquire and summarize information from a variety of electronic or live sources.
- 737. Speaking.**
 - 02. Speak for literary response and expression.
 - 03. Speak for critical analysis and evaluation.
- 738. Viewing.**
 - 01. Viewing for information and understanding.
 - 02. View media sources for personal response and expression.
 - 03. View media to engage in critical analysis and evaluation.

Grade 8

- 743. Reading**
 - 01. Read a variety of traditional and electronic materials for information and understanding.
 - 02. Read and respond to a variety of literature to compare and contrast the many dimensions of human experience.
 - a. Define characteristics of the following literary forms and genres: fiction and nonfiction, including novel, short story, poetry, biography, plays, essays, and reference material.
 - c. Identify social, cultural, and historical significance of various types of text.
 - 03. Read a variety of traditional, technical, and electronic materials for critical analysis and evaluation.
 - c. Compare and contrast information from multiple sources.
 - 05. Read for technical information

Language Arts/Communications (cont)

Grade 8

744. Writing

03. Write an expository essay that aligns with the eighth-grade writing assessment to inform and explain.

- a. Use facts, data, and processes from technical and non-technical materials to inform through writing.

04 Write for literary response and expression.

- a. Compose a response using ideas and techniques from a variety of literature and fine arts that represent many cultures and

perspectives.

746. Speaking

02. Speak for literary response and expression.

- a. Share interpretations of personal and literary works through oral interpretation and dramatic readings.

03. Speak for critical analysis and evaluation.

- a. Clearly express opinions and judgments.
- b. Defend opinion.

747. Viewing

01. View for information and understanding

- a. Identify a variety of visually-present materials: books, films, videos, internet.

02. View media sources for personal response and expression.

Grades 9 Through 12

752. Reading

01. Read a variety of traditional and electronic materials for information and understanding

- h. Use reading strategies to determine main ideas and to collect data, facts, and ideas.

02. Read and respond to a variety of literature to compare and contrast the many dimensions of human experience.

- a. Know defining characteristics of literary forms and genres (fiction, nonfiction, myths, poems, biographies, autobiographies, science fiction, parodies, satires, and plays).

03. Read a variety of traditional, technical, and electronic materials for critical analysis and evaluation.

- a. Evaluate the validity and accuracy of information.

753. Writing

03. Write to inform and explain.

- a. Incorporate facts, data, and processes from technical and non-technical materials into writing.

04. Write for literary response and expression.

- a. Compare, contrast, and synthesize ideas and techniques from a variety of literatures and Fine Arts that represent many cultures and perspectives.